

<b>Notice of Allowability</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	10/792,035	CHESNUT ET AL.	
	Examiner	Art Unit	
	James S. Ketter	1636	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTO-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1.  This communication is responsive to the amendment filed 28 April 2006.
2.  The allowed claim(s) is/are 16-36 and 40-43.
3.  Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a)  All
  - b)  Some\*
  - c)  None
 of the:
  1.  Certified copies of the priority documents have been received.
  2.  Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3.  Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4.  A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5.  CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
  - (a)  including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
    - 1)  hereto or 2)  to Paper No./Mail Date \_\_\_\_\_.
  - (b)  including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6.  DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

#### Attachment(s)

1.  Notice of References Cited (PTO-892)
2.  Notice of Draftsperson's Patent Drawing Review (PTO-948)
3.  Information Disclosure Statements (PTO-1449 or PTO/SB/08),  
Paper No./Mail Date 3/4/05
4.  Examiner's Comment Regarding Requirement for Deposit  
of Biological Material
5.  Notice of Informal Patent Application (PTO-152)
6.  Interview Summary (PTO-413),  
Paper No./Mail Date \_\_\_\_\_.
7.  Examiner's Amendment/Comment
8.  Examiner's Statement of Reasons for Allowance
9.  Other \_\_\_\_\_.

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Jeffrey K. Mills on 18 July 2006.

The application has been amended as follows:

In the specification:

At page 89, line 5, after "NO:", --83-- has been inserted.

At page 89, line 11, after "NO:", --84-- has been inserted.

At page 89, line 14, after "NO:", --85-- has been inserted.

At page 89, line 17, after "NO:", --86-- has been inserted.

At page 89, line 23 (the line containing "attB0"), after "NO:", --87-- has been inserted.

At page 89, line 24 (the line containing "attP0"), after "NO:", --88-- has been inserted.

At page 89, line 25 (the line containing "attL0"), after "NO:", --89-- has been inserted.

At page 89, line 26 (the line containing "attR0"), after "NO:", --90-- has been inserted.

At page 89, line 28 (the line containing "attB1"), after "NO:", --83-- has been inserted.

At page 89, line 29 (the line containing "attP1"), after "NO:", --91-- has been inserted.

At page 90, line 2 (the line containing "attL1"), after "NO:", --92-- has been inserted.

At page 90, line 3 (the line containing "attR1"), after "NO:", --93-- has been inserted.

At page 90, line 5 (the line containing "attB2"), after "NO:", --94-- has been inserted.

At page 90, line 6 (the line containing "attP2"), after "NO:", --95-- has been inserted.

At page 90, line 7 (the line containing “attL2”), after “NO:”, --96--has been inserted.

At page 90, line 8 (the line containing “attR2”), after “NO:”, --97--has been inserted.

At page 90, line 10 (the line containing “attB5”), after “NO:”, --98--has been inserted.

At page 90, line 11 (the line containing “attP5”), after “NO:”, --99--has been inserted.

At page 90, line 12 (the line containing “attL5”), after “NO:”, --100--has been inserted.

At page 90, line 13 (the line containing “attR5”), after “NO:”, --101--has been inserted.

At page 90, line 15 (the line containing “attB11”), after “NO:”, --102--has been inserted.

At page 90, line 16 (the line containing “attP11”), after “NO:”, --103--has been inserted.

At page 90, line 17 (the line containing “attL11”), after “NO:”, --104--has been inserted.

At page 90, line 18 (the line containing “attR11”), after “NO:”, --105--has been inserted.

At page 90, line 20 (the line containing “attB17”), after “NO:”, --106--has been inserted.

At page 90, line 21 (the line containing “attP17”), after “NO:”, --107--has been inserted.

At page 90, line 22 (the line containing “attL17”), after “NO:”, --108--has been inserted.

At page 90, line 23 (the line containing “attR17”), after “NO:”, --109--has been inserted.

At page 90, line 25 (the line containing “attB19”) after “NO:”, --110--has been inserted.

At page 287, immediately below Table 8, --Sequences #1-12 are SEQ ID NOS:51-62, respectively.-- has been inserted.

In the claims:

In claim 32, after “cer sites”, the “,” has been deleted and --and-- has been inserted.

In claim 33, after “cer sites”, the “,” has been deleted and --and-- has been inserted.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to James S. Ketter whose telephone number is 571-272-0770. The examiner can normally be reached on Monday-Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Remy Yucel can be reached on 571-272-0781. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

JSK  
18 July 2006



JAMES KETTER  
PRIMARY EXAMINER